

ABSTRACT OF THE DISCLOSURE

A method for forming a connector including an array of contact elements includes forming a support layer on a substrate, patterning the support layer to define an array of support elements, isotropically etching the support elements to form rounded corners on the top of each support element, forming and patterning a metal layer to define an array of contact elements where each contact element includes a first metal portion on the substrate and a second metal portion extending from the first metal portion and partially across the top of a respective support element, and removing the support elements. The contact elements thus formed each includes a base portion attached to the substrate and a curved spring portion extending from the base portion and having a distal end projecting above the substrate. The curved spring portion is formed to have a concave curvature with respect to the surface of the substrate.